CLAIMS

1. A device for the emission of seismic vibrations, intended to be mounted on a mobile platform (100), which includes:

- a vibration assembly to send the vibrations into the ground, and
- a ground-hugging assembly for the device (200),

the ground-hugging assembly being intended to be fixed to the mobile platform (100) and to transfer the load from it, in a ground hugging direction (1), onto the vibration assembly flattened against the ground, with the vibration assembly being fixed to the ground-hugging assembly by compensation members (251, 252, 253) designed to compensate for the perpendicularity anomalies between the general plane of the ground and the ground hugging direction (1),

characterised in that these compensation members include long connecting elements designed to be driven in traction along their respective longitudinal axes, the long connecting elements being mounted at each of their ends, free to rotate around at least one axis of rotation substantially perpendicular to the ground hugging direction (1), with the axes of rotation of each long connecting element being fixed, one axis to the vibration assembly and the other axis to a fixed part of the ground-hugging assembly.

2. A device according to the preceding claim, characterised in that the long connecting elements are tie-rods (253).

3. A device according to claim 1, characterised in that the long connecting elements are tie-rods mounted on swivels.

4. A device according to one of the preceding claims, characterised in that the compensation members also include isolating members designed to compensate, in an asymmetrical manner, for the vertical perpendicularity defaults of the

general plane of the ground with respect to the ground hugging direction (1).

5. A device according to one of the preceding claims, characterised in that it does not include an upper distribution/synchronisation frame (248).

6. A device according to one of the preceding claims, characterised in that the compensation members do not include sliding skids (259) for the vibration assembly on the ground-hugging assembly.